

WE CLAIM:

1. A dowel jig comprising:
  - a base having an internal planar area and at least one hole transversely through said planar area;
  - a leg at each end of said base extending generally transverse to said base;
  - a foot at the outer corner junction of each said base end and each said leg, the lower surfaces of both said feet lying in a common plane that is parallel to said base internal planar area, wherein upon said lower surfaces of said feet being placed on a flat surface of a member said at least one hole will be transverse to the member flat surface.
2. A dowel jig as claimed in claim 1 wherein said feet extend below and are spaced away from the outer surface of said base, wherein said base outer surface will be spaced from the member flat surface.
3. A dowel jig as claimed in claim 1 further comprising a bushing having a through hole to fit in a said at least one base hole with said bushing through hole being transverse to said base internal planar area, wherein a drill bit guided in said bushing through hole will drill a hole in the member that is transverse to the member flat surface on which said feet are placed.

4. A dowel jig as claimed in claim 1 further comprising a set of raised ribs extending on the interior surface of said base with there being at least one rib on each side of said at least one hole, the innermost end of each said rib of said set lying in the same plane to establish said base internal planar area.

5. A dowel jig as claimed in claim 4 further comprising a bushing having a through hole to rest on the innermost ends of said set of ribs on the interior surface of said base over a said at least one base hole with said bushing through hole being transverse to said base internal planar area established by the innermost ends of said set of base ribs, wherein a drill bit guided in said bushing through hole will drill a hole in the member that is transverse to the member flat surface on which said feet are placed.

6. A dowel jig as claimed in claim 2 further comprising a notch on each of said feet with the center of said notches lying along a line that passes through the center of one of said at least one base holes, wherein a rod laid in said notches will be centered under said one base hole.

7. A dowel jig as claimed in claim 1 further comprising an internal planar area on one of said legs that is transverse to said base internal planar area, and at least one hole transversely through said one leg at its internal planar area.

8. A dowel jig as claimed in claim 7 and further comprising a screw threaded clamp in the other said leg to clamp the jig to a member with said base internal planar area and at least one hole facing an edge of the member whereby a hole can be made transverse to the edge of the member, and the internal planar area of said one leg and a hole of said one leg facing the member upper surface near the member edge whereby a hole can be made in the member upper surface transverse to the upper surface.

9. A dowel jig as claimed in claim 7 and further comprising a respective set of ribs on the interior surface of each of said base and said one leg, the innermost ends of said set of ribs of said base establishing said base internal planar area and the innermost ends of said one leg set of ribs establishing said one leg internal planar area, said base set of ribs to be positioned against the edge of the member and said one leg set of ribs to rest on the member upper surface.

10. A dowel jig as claimed in claim 9 further comprising a screw threaded clamp in said other said leg to clamp the jig to a member with said internal planar area of said one leg and at least one hole facing a surface of the member near the member edge and said base internal planar area and at least one hole facing the edge of the member whereby a hole can be made in the member transverse to the surface and a hole can be made in the member edge transverse to

the member edge.

11. A dowel jig as claimed in claim 1 wherein each said foot extends substantially across the width of said base.

12. A dowel jig as claimed in claim 1 wherein each said foot comprises separate feet at each of the four outer corners at the junctions of said base and said legs.